



PANTHRISK WEEKLY RISK REPORT

Week of December 14–20, 2025

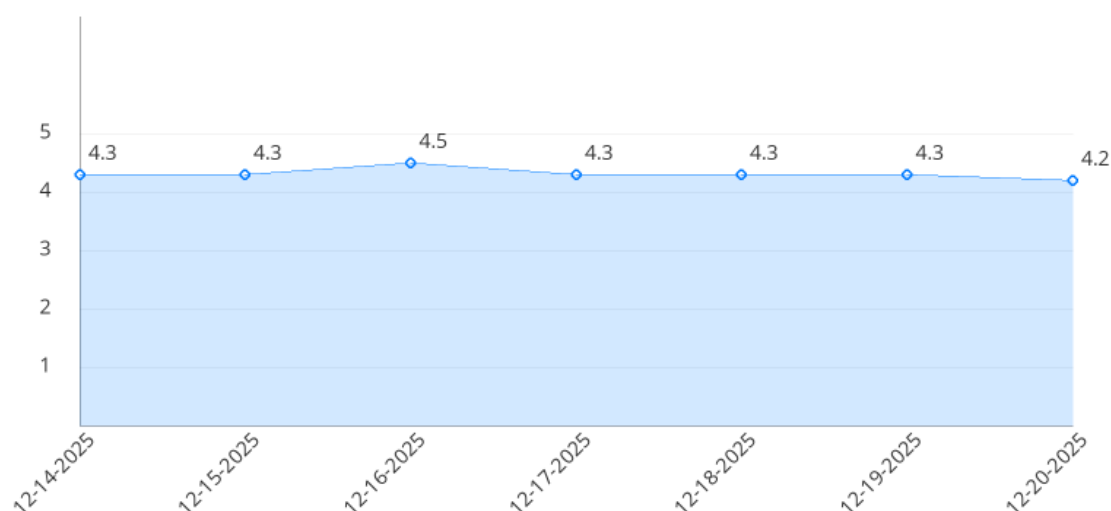
Panthrisk monitors humanity's most serious existential threats using curated news sources and AI-assisted analysis. Each day, our models evaluate key global developments, generate risk-level assessments, and propose actionable interventions. This weekly report summarizes the trends, risk shifts, and notable insights from December 14–20, 2025 across all tracked categories.

Generated: December 20, 2025



Nuclear War

Score Trend (Week of December 14–20, 2025)



This week, the global nuclear threat level has been elevated due to a combination of factors including increased geopolitical tensions, discussions about resuming nuclear testing, and ongoing modernization of nuclear arsenals. The situation is exacerbated by deteriorating arms control agreements and reduced diplomatic engagements, particularly between major nuclear powers such as the U.S. and Russia. Additionally, potential policy shifts in countries like Japan and controversial statements on nuclear armament have contributed to the heightened threat perception. The overall trend indicates a significant risk of escalation if diplomatic efforts are not reinforced and if nuclear testing resumes.



Nuclear War

Recommended Risk Reduction Actions

- **[Government]** Re-engage in diplomatic efforts to renew and expand arms control treaties, focusing on transparency and verification measures.
- **[NGO]** Advocate for public awareness campaigns on the risks of nuclear proliferation and the importance of disarmament to build grassroots support.
- **[Industry]** Invest in technologies that enhance verification and monitoring of nuclear activities to support international treaties.
- **[International Organizations]** Convene urgent talks to reinforce the Comprehensive Nuclear-Test-Ban Treaty and prevent the resumption of nuclear testing.
- **[Academia]** Conduct research on the implications of nuclear modernization and testing to inform policy decisions and public discourse.



Nuclear War

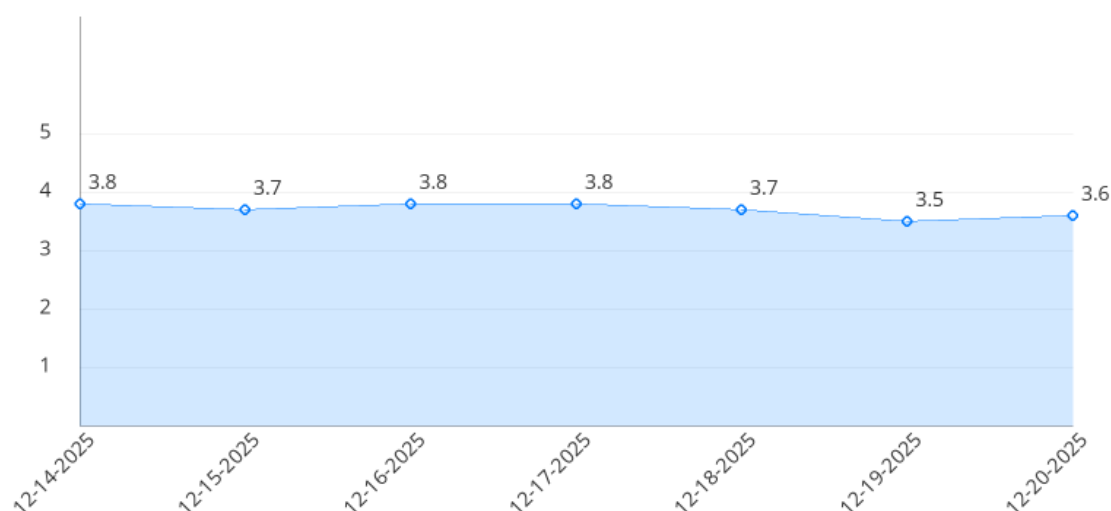
Relevant Articles

<i>B61-13 first production unit com...</i>	[December 15]	- Read article
<i>B61-12 system production ends, s...</i>	[December 15]	- Read article
<i>Risk of Nuclear Conflict 'Highes...</i>	[December 15]	- Read article
<i>INTERVIEW - Risk of nuclear conf...</i>	[December 15]	- Read article
<i>Russia and the US threatened to ...</i>	[December 15]	- Read article
<i>Trump says nuclear weapons testi...</i>	[December 15]	- Read article
<i>Trump tells Pentagon to resume t...</i>	[December 15]	- Read article
<i>Risk of Nuclear Conflict 'Highes...</i>	[December 16]	- Read article
<i>New Nuclear Weapons Testing 'Wou...</i>	[December 16]	- Read article
<i>Miniaturization and Modernizatio...</i>	[December 16]	- Read article
<i>Russia and the US threatened to ...</i>	[December 16]	- Read article
<i>Trump tells Pentagon to resume t...</i>	[December 16]	- Read article
<i>B61-13 first production unit com...</i>	[December 18]	- Read article
<i>"Nuclear weapons to maintain bal...</i>	[December 18]	- Read article
<i>Trump, Putin must move on extend...</i>	[December 18]	- Read article
<i>Risk of Nuclear Conflict 'Highes...</i>	[December 18]	- Read article
<i>Trump says nuclear weapons testi...</i>	[December 18]	- Read article
<i>B61-13 first production unit com...</i>	[December 19]	- Read article
<i>Sandia's unique role in nuclear ...</i>	[December 19]	- Read article
<i>Japan should have nuclear weapon...</i>	[December 19]	- Read article
<i>Former Trump official warns Chin...</i>	[December 19]	- Read article
<i>"Nuclear weapons to maintain bal...</i>	[December 19]	- Read article
<i>B61-13 first production unit com...</i>	[December 20]	- Read article
<i>US Developing Measures To Counte...</i>	[December 20]	- Read article
<i>"Nuclear weapons to maintain bal...</i>	[December 20]	- Read article
<i>Mossad Chief Says Iran Still Asp...</i>	[December 20]	- Read article
<i>Miniaturization and Modernizatio...</i>	[December 20]	- Read article



Artificial Intelligence

Score Trend (Week of December 14–20, 2025)



This week, the risk associated with Artificial Intelligence remains moderate, primarily due to rapid advancements in AI capabilities and their increasing integration into critical sectors. Concerns are centered around issues of alignment, potential misuse, and regulatory challenges, as well as the concentration of power and the military use of AI technologies. Despite advancements in safety measures, these factors continue to pose significant challenges to ensuring safe and ethical AI deployment. The consistent risk scores over the week highlight the ongoing need for robust governance frameworks and interdisciplinary research to address these concerns effectively.



Artificial Intelligence

Recommended Risk Reduction Actions

- **[Government]** Establish and enforce comprehensive AI regulatory frameworks to ensure safe and ethical deployment of AI technologies.
- **[Industry]** Develop and adhere to industry-wide safety standards and best practices for AI deployment in critical sectors.
- **[Academia]** Conduct interdisciplinary research on AI alignment and safety to address potential existential risks.
- **[NGO]** Advocate for transparency and accountability in AI development and deployment to prevent concentration of power.
- **[International Organizations]** Facilitate global cooperation to harmonize AI safety and governance frameworks across borders.



Artificial Intelligence

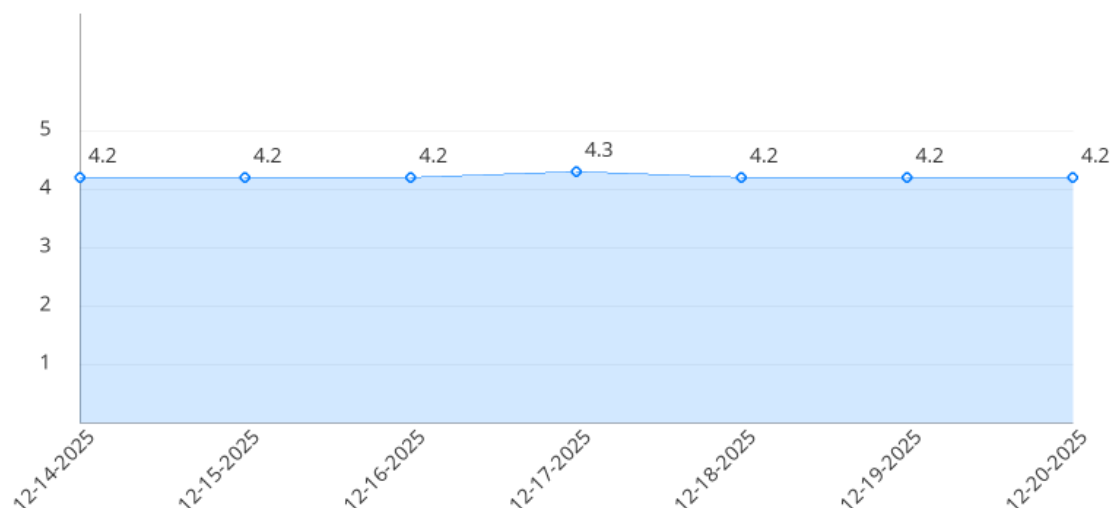
Relevant Articles

Strengthening cyber resilience a... [December 14] – [Read article](#)
Strengthening our partnership wi... [December 14] – [Read article](#)
CISA, Partners Release Guidance ... [December 14] – [Read article](#)
Executive Order Establishes Nati... [December 14] – [Read article](#)
Trump signs executive order to c... [December 14] – [Read article](#)
Introducing GPT-5.2 [December 15] – [Read article](#)
OpenAI co-founds Agentic AI Foun... [December 15] – [Read article](#)
Federal government abandons plan... [December 15] – [Read article](#)
NY Governor Rewrites AI Safety B... [December 15] – [Read article](#)
Parents call for New York govern... [December 15] – [Read article](#)
BBVA and OpenAI collaborate to t... [December 16] – [Read article](#)
BNY builds “AI for everyone, eve... [December 16] – [Read article](#)
Strengthening cyber resilience a... [December 16] – [Read article](#)
OpenAI co-founds Agentic AI Foun... [December 16] – [Read article](#)
Strengthening our partnership wi... [December 16] – [Read article](#)
BBVA and OpenAI collaborate to t... [December 17] – [Read article](#)
BNY builds “AI for everyone, eve... [December 17] – [Read article](#)
OpenAI co-founds Agentic AI Foun... [December 17] – [Read article](#)
OpenAI and Foxconn collaborate t... [December 17] – [Read article](#)
XVIII Airborne Corps’ Scarlet Dr... [December 17] – [Read article](#)
Advancing science and math with ... [December 18] – [Read article](#)
OpenAI and Foxconn collaborate t... [December 18] – [Read article](#)
U.S. National Security Risks wit... [December 18] – [Read article](#)
Scarlet Dragon Links Military, I... [December 18] – [Read article](#)
Deepening our collaboration with... [December 19] – [Read article](#)
Introducing GPT-5.2-Codex [December 19] – [Read article](#)
Strengthening cyber resilience a... [December 19] – [Read article](#)
Deepening our partnership with t... [December 19] – [Read article](#)
US Energy Department signs AI co... [December 19] – [Read article](#)
Deepening our collaboration with... [December 20] – [Read article](#)
Strengthening our partnership wi... [December 20] – [Read article](#)
NY Gov. Kathy Hochul signs sweep... [December 20] – [Read article](#)
Gemma Scope 2: helping the AI sa... [December 20] – [Read article](#)



Climate Change

Score Trend (Week of December 14–20, 2025)



This week, the climate change threat level remains high due to persistent policy failures, extreme weather events, and systemic challenges in addressing climate change effectively. Reports highlight ongoing warming trends, with significant impacts on ecosystems, biodiversity, and global food systems. The Arctic is experiencing record-breaking heat, further exacerbating these risks. Despite the urgency, inadequate policy responses continue to hinder progress in mitigating climate impacts, leading to increased risks to health and food security.



Climate Change

Recommended Risk Reduction Actions

- **[Government]** Reinstate and strengthen climate commitments and policies to meet international goals and address systemic challenges.
- **[Industry]** Accelerate the transition to renewable energy and enforce stricter emissions regulations to mitigate climate change impacts.
- **[NGO]** Increase public awareness campaigns on the impacts of climate change and promote sustainable practices to counter misinformation.
- **[Research Institutions]** Conduct comprehensive studies on the socio-economic impacts of climate change to inform policy decisions and public understanding.
- **[Global Organizations]** Facilitate international cooperation and support for regions disproportionately affected by climate change to enhance resilience and adaptation efforts.



Climate Change

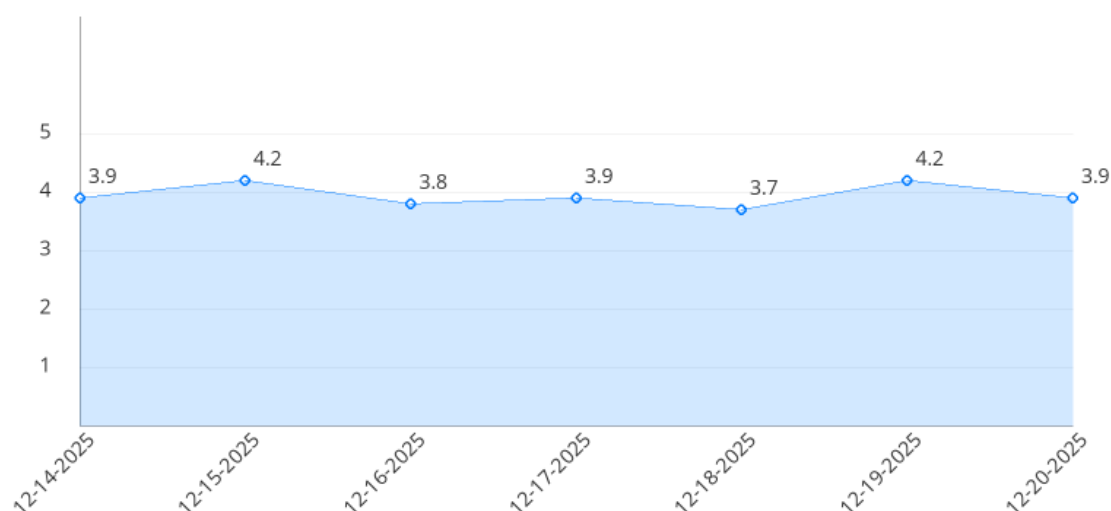
Relevant Articles

<i>Climate change may increase risk...</i>	[December 14]	- Read article
<i>Santorini Vineyards Face Extinct...</i>	[December 14]	- Read article
<i>Climate change is straining Alas...</i>	[December 14]	- Read article
<i>Climate change is stealing rain ...</i>	[December 14]	- Read article
<i>2025: The year the US gave up on...</i>	[December 14]	- Read article
<i>3rd warmest on record (again): N...</i>	[December 15]	- Read article
<i>Uncontrolled global warming caus...</i>	[December 15]	- Read article
<i>Risk To Amazon Rainforest From L...</i>	[December 15]	- Read article
<i>South Sudanese community fights ...</i>	[December 15]	- Read article
<i>Global warming: 2025 will probab...</i>	[December 15]	- Read article
<i>How the Arctic atmosphere is amp...</i>	[December 16]	- Read article
<i>The Cost of Climate Change for U...</i>	[December 16]	- Read article
<i>E&E News: South Sudanese communi...</i>	[December 16]	- Read article
<i>DeSantis names sponsor of bill s...</i>	[December 16]	- Read article
<i>Why New York Has Backed Off on A...</i>	[December 16]	- Read article
<i>Climate Change: 2025 is on track...</i>	[December 17]	- Read article
<i>In Senegal, climate change is ad...</i>	[December 17]	- Read article
<i>Climate Change Threatens Surviva...</i>	[December 17]	- Read article
<i>Arctic is hotter than it's been ...</i>	[December 17]	- Read article
<i>Europe backtracks on ban of new ...</i>	[December 17]	- Read article
<i>Donald Trump White House to diss...</i>	[December 18]	- Read article
<i>Worsening Climate Change Boosts ...</i>	[December 18]	- Read article
<i>Overlooked hydrogen emissions ar...</i>	[December 18]	- Read article
<i>High frequency of moraine-dammed...</i>	[December 18]	- Read article
<i>Crowds and climate change strain...</i>	[December 18]	- Read article
<i>Central America: Climate risks t...</i>	[December 19]	- Read article
<i>Met Office: Global warming set t...</i>	[December 19]	- Read article
<i>Trump administration moves to di...</i>	[December 19]	- Read article
<i>A concerning study reveals that ...</i>	[December 19]	- Read article
<i>Post-COP30, more aggressive poli...</i>	[December 19]	- Read article
<i>Maine's Once Abundant Kelp Fores...</i>	[December 20]	- Read article
<i>Lake sturgeon face climate chang...</i>	[December 20]	- Read article
<i>How the global food system is im...</i>	[December 20]	- Read article
<i>Central America: Climate risks t...</i>	[December 20]	- Read article
<i>The Arctic breaks heat records, ...</i>	[December 20]	- Read article



Pandemics

Score Trend (Week of December 14–20, 2025)



This week, the pandemic risk level fluctuated between moderate and high due to rising cases of flu, RSV, measles, and avian flu.

Contributing factors include increasing vaccine hesitancy and the spread of misinformation about vaccines. Despite efforts to promote vaccination, low vaccine uptake remains a significant challenge.

Public health systems are facing difficulties in managing these infectious disease threats, necessitating enhanced surveillance and rapid response capabilities. International collaboration is crucial to monitor and respond to cross-border disease outbreaks effectively.



Pandemics

Recommended Risk Reduction Actions

- **[Government]** Increase funding and resources for public health campaigns to promote vaccination and counter misinformation.
- **[NGO]** Collaborate with local communities to address vaccine hesitancy and improve public trust in health interventions.
- **[Industry]** Accelerate the development and distribution of effective vaccines for flu, RSV, and emerging zoonotic diseases like avian flu.
- **[Healthcare]** Enhance surveillance and reporting systems for early detection and response to outbreaks of flu, RSV, and measles.
- **[International Organizations]** Strengthen global cooperation and resource sharing to manage cross-border outbreaks and prevent pandemic spread.



Pandemics

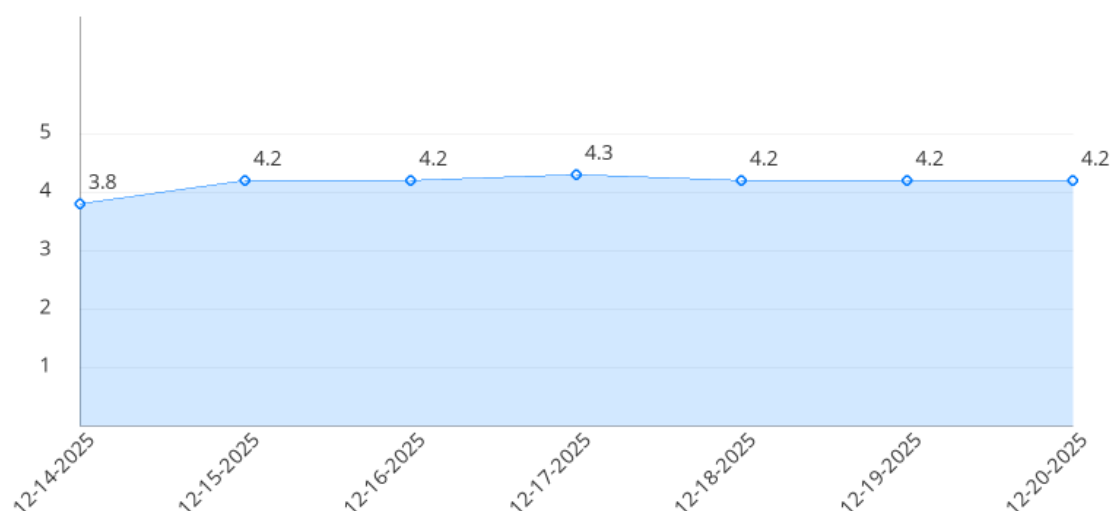
Relevant Articles

<i>Flu, RSV activity rising in US a...</i>	[December 14]	- Read article
<i>Fewer people are being vaccinate...</i>	[December 14]	- Read article
<i>US measles outbreak tops 1,800 c...</i>	[December 14]	- Read article
<i>US COVID, flu, and RSV levels lo...</i>	[December 14]	- Read article
<i>US set to lose measles eliminati...</i>	[December 14]	- Read article
<i>South Carolina measles outbreak ...</i>	[December 14]	- Read article
<i>Flu, RSV activity rising in US a...</i>	[December 15]	- Read article
<i>US measles outbreak tops 1,800 c...</i>	[December 15]	- Read article
<i>US COVID, flu, and RSV levels lo...</i>	[December 15]	- Read article
<i>Surveys find strong confidence i...</i>	[December 15]	- Read article
<i>South Carolina measles outbreak ...</i>	[December 15]	- Read article
<i>Flu, RSV activity rising in US a...</i>	[December 16]	- Read article
<i>Fewer people are being vaccinate...</i>	[December 16]	- Read article
<i>US measles outbreak tops 1,800 c...</i>	[December 16]	- Read article
<i>Surveys find strong confidence i...</i>	[December 16]	- Read article
<i>US COVID, flu, and RSV levels lo...</i>	[December 16]	- Read article
<i>First ever human case of H5N5 av...</i>	[December 16]	- Read article
<i>Saudi Arabia confirms 9 MERS cas...</i>	[December 16]	- Read article
<i>Flu, RSV activity rising in US a...</i>	[December 17]	- Read article
<i>US COVID, flu, and RSV levels lo...</i>	[December 17]	- Read article
<i>Flu, RSV activity rising in US a...</i>	[December 17]	- Read article
<i>US measles outbreak tops 1,800 c...</i>	[December 17]	- Read article
<i>Surveys find strong confidence i...</i>	[December 17]	- Read article
<i>RFK Jr.'s Measles Vaccine Misinf...</i>	[December 17]	- Read article
<i>Flu, RSV activity rising in US a...</i>	[December 18]	- Read article
<i>Fewer people are being vaccinate...</i>	[December 18]	- Read article
<i>US measles outbreak tops 1,800 c...</i>	[December 18]	- Read article
<i>US COVID, flu, and RSV levels lo...</i>	[December 18]	- Read article
<i>First ever human case of H5N5 av...</i>	[December 18]	- Read article
<i>Measles outbreaks won't end in 2...</i>	[December 18]	- Read article
<i>Health Officials Warn South Caro...</i>	[December 18]	- Read article
<i>Flu, RSV activity rising in US a...</i>	[December 19]	- Read article
<i>Fewer people are being vaccinate...</i>	[December 19]	- Read article
<i>US measles outbreak tops 1,800 c...</i>	[December 19]	- Read article
<i>US COVID, flu, and RSV levels lo...</i>	[December 19]	- Read article
<i>With an absent CDC and mismatche...</i>	[December 19]	- Read article
<i>First ever human case of H5N5 av...</i>	[December 19]	- Read article
<i>New coronavirus subspecies with ...</i>	[December 19]	- Read article
<i>CIDRAP and CEPI launch resources...</i>	[December 19]	- Read article
<i>US flu activity takes big jump a...</i>	[December 20]	- Read article
<i>Flu, RSV activity rising in US a...</i>	[December 20]	- Read article
<i>Fewer people are being vaccinate...</i>	[December 20]	- Read article
<i>US measles outbreak tops 1,800 c...</i>	[December 20]	- Read article
<i>New poll reflects broad American...</i>	[December 20]	- Read article



Information Integrity

Score Trend (Week of December 14–20, 2025)



This week, the global misinformation risk has remained consistently high, primarily driven by AI-generated deepfakes and false narratives, particularly in political and health contexts. The use of AI to create convincing fake content has exacerbated the spread of misinformation, affecting public trust and complicating political discourse. Additionally, there has been a notable increase in scams exploiting digital platforms, further contributing to the misinformation threat. The persistence of these issues highlights the urgent need for effective countermeasures and public education to mitigate the impact of misinformation.



Information Integrity

Recommended Risk Reduction Actions

- **[Government]** Implement stricter regulations and penalties for the creation and distribution of AI-generated deepfake content.
- **[Industry]** Enhance AI detection tools to better identify and flag deepfakes and misinformation on digital platforms.
- **[NGO]** Increase collaboration with fact-checking organizations to provide timely corrections and context to misinformation.
- **[Education]** Integrate media literacy programs into school curricula to equip students with skills to discern credible information.
- **[Public]** Launch awareness campaigns to educate citizens on identifying and reporting scams and misinformation.



Information Integrity

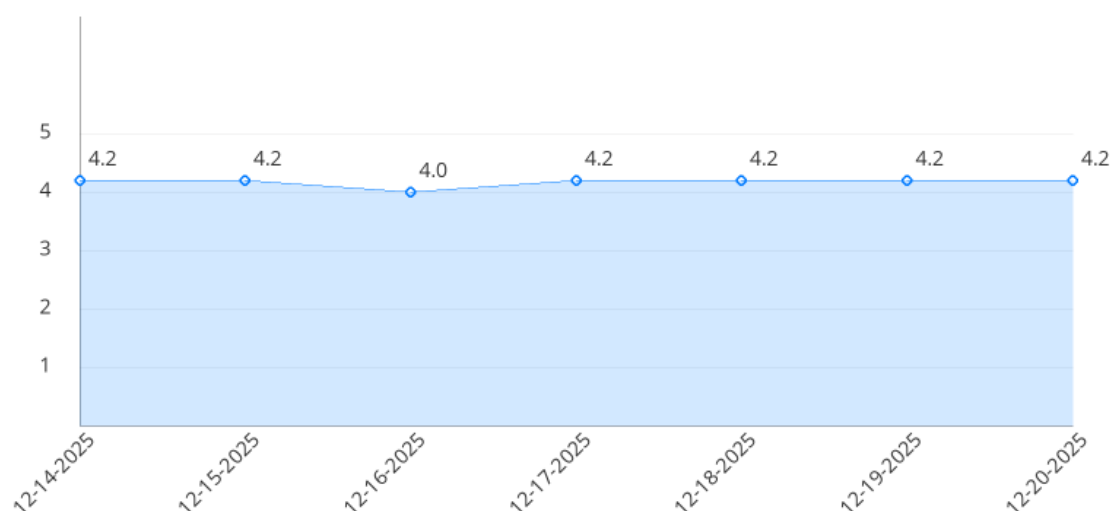
Relevant Articles

<i>People are more susceptible to m...</i>	[December 14]	- Read article
<i>When Medical Misinformation Cost...</i>	[December 14]	- Read article
<i>Social media misinformation abou...</i>	[December 14]	- Read article
<i>AI chatbots are spreading aborti...</i>	[December 14]	- Read article
<i>Trump AI Regulation Order Halluc...</i>	[December 14]	- Read article
<i>Trump Truth Social post about ta...</i>	[December 16]	- Read article
<i>Beware this video claiming to sh...</i>	[December 16]	- Read article
<i>How AI played a central role in ...</i>	[December 16]	- Read article
<i>Fake hero, wrong suspect: Misinf...</i>	[December 16]	- Read article
<i>EU Sanctions Target Russia's 'Sh...</i>	[December 16]	- Read article
<i>'Things can happen': Trump quote...</i>	[December 17]	- Read article
<i>Trump Truth Social post about ta...</i>	[December 17]	- Read article
<i>Beware this video claiming to sh...</i>	[December 17]	- Read article
<i>People are more susceptible to m...</i>	[December 17]	- Read article
<i>AI tools drive new NZ fraud patt...</i>	[December 17]	- Read article
<i>Is photo of Trump and Bill Clint...</i>	[December 18]	- Read article
<i>Rob Reiner didn't share profanit...</i>	[December 18]	- Read article
<i>Contextualizing Trump post about...</i>	[December 18]	- Read article
<i>AI deepfakes of Bondi gunman spr...</i>	[December 18]	- Read article
<i>Fake video claiming 'coup in Fra...</i>	[December 18]	- Read article
<i>Macron calls for stricter regula...</i>	[December 18]	- Read article
<i>Pakistan Alleges Israel and Indi...</i>	[December 19]	- Read article
<i>AI chatbots share climate disinf...</i>	[December 19]	- Read article
<i>YouTube Shuts Down Channels Usin...</i>	[December 19]	- Read article
<i>Fake French coup videos go viral...</i>	[December 19]	- Read article
<i>AI makes it tougher to spot fake...</i>	[December 19]	- Read article
<i>Trump's posts on Brown shoo...</i>	[December 20]	- Read article
<i>Misinformation complicated Brown...</i>	[December 20]	- Read article
<i>China Targets AI-Generated Misin...</i>	[December 20]	- Read article
<i>FBI warns of fake kidnapping pho...</i>	[December 20]	- Read article
<i>YouTube Bans Fake AI Trailer Cha...</i>	[December 20]	- Read article



Unknown / Black Swan

Score Trend (Week of December 14–20, 2025)



This week, Iceland has consistently warned about the potential collapse of the Atlantic Meridional Overturning Circulation (AMOC), which poses a significant and unpredictable threat to global climate stability. The warnings underscore the potential for drastic changes in weather patterns and climate conditions, which could have widespread socio-economic impacts. The consistent high-risk scores reflect the gravity of the situation and the need for immediate attention and action. The potential collapse of the AMOC is recognized as a security risk, highlighting the urgency for global cooperation and enhanced research efforts. The situation calls for increased awareness and preparedness to mitigate the potential impacts on vulnerable regions and global supply chains.



Unknown / Black Swan

Recommended Risk Reduction Actions

- **[Government]** Increase funding for climate research focused on understanding the dynamics and potential impacts of changes in the AMOC.
- **[International Organizations]** Facilitate global cooperation to develop and implement adaptive strategies and contingency plans for potential climate-induced disruptions.
- **[Research Institutions]** Develop advanced predictive models and monitoring systems to track changes in ocean currents and anticipate their impacts on global climate.
- **[Media]** Raise public awareness about the potential impacts of AMOC collapse and advocate for policy changes to enhance climate resilience.
- **[Industry]** Invest in adaptive technologies and infrastructure to prepare for potential disruptions in supply chains and operations due to climate shifts.



Unknown / Black Swan

Relevant Articles

- Iceland deems possible Atlantic ...* [December 14] - [Read article](#)
- Iceland deems possible Atlantic ...* [December 15] - [Read article](#)
- Iceland deems possible Atlantic ...* [December 17] - [Read article](#)
- Iceland deems possible Atlantic ...* [December 19] - [Read article](#)
- Iceland deems possible Atlantic ...* [December 20] - [Read article](#)

Week in Review: December 14–20, 2025



This week, existential risk trends across various domains have shown notable developments. In the nuclear war domain, heightened geopolitical tensions and discussions about nuclear testing have elevated the threat level, particularly as arms control agreements weaken. The artificial intelligence sector maintains a moderate risk level, with ongoing concerns about alignment, misuse, and regulatory challenges despite advancements in safety measures. Climate change risks remain high, driven by policy failures and extreme weather events, with the Arctic experiencing unprecedented heat. Pandemic risks have fluctuated due to rising cases of various infectious diseases and challenges in vaccine uptake, emphasizing the need for improved public health responses. Information integrity risks are consistently high, exacerbated by AI-generated content and misinformation, impacting public trust and political discourse. Lastly, the potential collapse of the Atlantic Meridional Overturning Circulation has been highlighted as a significant unknown risk, necessitating global cooperation and research to address its potential impacts.



Closing Notes

Thank you for reviewing this week's Panthrisk report. To stay informed, visit **panthrisk.com** — our dashboard is updated daily with the latest risk levels, GPT summaries, and recommended actions.

If you find this information valuable, please share it with colleagues working to reduce global catastrophic risk. Awareness is the first step toward action.